

DECLARATION AND POWER OF ATTORNEY FOR U.S. PATENT APPLICATIONS

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,
and

I believe I am an original, first and joint inventor of the subject matter which is claimed
and for which a patent is sought on the invention entitled

HETEROCYCLIC DIHYDROPYRIMIDINE COMPOUNDS

the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above identified
specification, including the claims.

I acknowledge my duty to disclose all information which is known by me to be material to
the patentability of this application as defined in 37 C.F.R. §1.56.

I hereby claim the benefit under 35 U.S.C. §119(a)-(d) or §365(b) of any foreign
application(s) for patent or inventor's certificate listed below and under 35 U.S.C. §365(a) of any
PCT international application(s) designating at least one country other than the United States
listed below and have also listed below any foreign application(s) for patent or inventor's
certificate or any PCT international application(s) designating at least one country other than the
United States for the same subject matter and having a filing date before that of the application
the priority of which is claimed for that subject matter:

None

I hereby claim the benefit under 35 USC §119(e) of any United States provisional
application(s) listed below:

Application No.

Filing Date

60/236,037

September 28, 2000

60/169,091

December 6, 1999

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) listed below and under 35 U.S.C. §365(c) of any PCT international application(s) designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in said prior application(s) in the manner required by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose all information known by me to be material to patentability as defined in 37 C.F.R. §1.56 which became available between the filing date(s) of the prior application(s) and the national or PCT international filing date of this application:

None

I hereby appoint the attorneys and agents associated with **Customer No. 23914**, respectively and individually, as my attorneys and agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Please address all communications to the address associated with **Customer No. 23914**, which is currently Marla J. Mathias, Bristol-Myers Squibb Company, Patent Department, P.O. Box 4000, Princeton, NJ 08543-4000.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FIRST JOINT INVENTOR:

Full name : **Karnail S. Atwal**
Signature : Karnail S. Atwal
Date : 11/29/00
(MM/DD/YY)
Citizenship : United States of America
Residence : Newtown, Pennsylvania
P.O. Address : 92 Valley View Way
Newtown, Pennsylvania 18940

SECOND JOINT INVENTOR:


Full name : **Wayne Vaccaro**
Signature : Wayne Vaccaro
Date : 11/29/00
(MM/DD/YY)
Citizenship : United States of America
Residence : Yardley, Pennsylvania
P.O. Address : 1706 Westover Road
Yardley, Pennsylvania 19067

THIRD JOINT INVENTOR:

Full name : **John Lloyd**
Signature : John Lloyd
Date : 11/29/00
(MM/DD/YY)
Citizenship : United States of America
Residence : Yardley, Pennsylvania
P.O. Address : 1702 Yardley Road
Yardley, Pennsylvania 19067

FOURTH JOINT INVENTOR:

Full name : **Heather Finlay**

Signature : 

Date : 11/29/2000
(MM/DD/YY)


Citizenship : United States of America

Residence : Lawrenceville, New Jersey

P.O. Address : 12 Quince Court
Lawrenceville, New Jersey 08648

FIFTH JOINT INVENTOR:

Full name : **Lin Yan**

Signature : 

Date : 11/29/00
(MM/DD/YY)

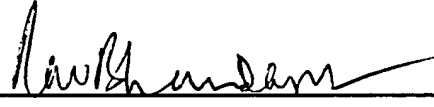
Citizenship : United States of America

Residence : Princeton, New Jersey

P.O. Address : 119 York Drive
Princeton, New Jersey 08540

SIXTH JOINT INVENTOR:

Full name : **Rao S. Bhandaru**

Signature : 

Date : 11/29/00
(MM/DD/YY)

Citizenship : India

Residence : Belle Mead, New Jersey

P.O. Address : 4 Westminster Court
Belle Mead, New Jersey 08502

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 Company: MARIA J. MATHIAS
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4	Document 1, Batch 204762

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PATENT DEPARTMENT
P.O. BOX 4000
PRINCETON, NJ 08543-4000

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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

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BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ATWAL, KARNAIL S.

DOC DATE: 03/01/2001

ASSIGNOR:

VACCARO, WAYNE

DOC DATE: 03/01/2001

ASSIGNOR:

LLOYD, JOHN

DOC DATE: 02/12/2001

ASSIGNOR:

FINLAY, HEATHER

DOC DATE: 02/09/2001

ASSIGNOR:

YAN, LIN

DOC DATE: 02/09/2001

ASSIGNOR:

BHANDARU, RAO S.

DOC DATE: 03/01/2001

ASSIGNEE:

BRISTOL-MYERS SQUIBB COMPANY
LAWRENCEVILLE-PRINCETON ROAD
PRINCETON, NEW JERSEY 08543-4000

011375/0582 PAGE 2

SERIAL NUMBER: 09729731
PATENT NUMBER:

FILING DATE: 12/05/2000
ISSUE DATE:

VIOLET MCCOY, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

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RECORD COVER SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

CIVIS No. 0851-0011 (exp. 4/04)

PATENTS
700004248

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Karnail S. Atwal, Wayne Vaccaro,
John Lloyd Heather Finlay, Lin Yan,
Rao S. Bhandaru

2. Name and address of receiving party(ies)

Name: Bristol-Myers Squibb Company

Internal Address: _____

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 02/09/01, 02/12/01, 03/01/01Street Address: Lawrenceville-Princeton RoadCity: Princeton State: NJ ZIP: 08543-4000Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

08/729,731

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Maria J. MathiasInternal Address: Bristol-Myers Squibb CompanyPatent DepartmentStreet Address: P.O. Box 4000City: Princeton State: NJ ZIP: 08543-40006. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41) \$ 40

- ☐ Enclosed
☒ Authorized to be charged to deposit account and any other additional fees required.

8. Deposit account number:

18-3880 (In the name of Bristol-Myers Squibb Company)

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Ronald S. Hermenau

Name of Person Signing
Reg. No. 34,620

Signature

3/6/01
Date☐ Certificate of mailing on reverse sideTotal number of pages including cover sheet, attachments, and document: 6Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

ASSIGNMENT

We,

Karnail S. Atwal	residing at	92 Valley View Way Newtown, Pennsylvania 18940 United States of America
Wayne Vaccaro	residing at	1706 Westover Road Yardley, Pennsylvania 19067 United States of America
John Lloyd	residing at	1702 Yardley Road Yardley, Pennsylvania 19067 United States of America
Heather Finlay	residing at	12 Quince Court Lawrenceville, New Jersey 08648 United States of America
Lin Yan	residing at	119 York Drive Princeton, New Jersey 08540 United States of America
Rao S. Bhandaru	residing at	4 Westminster Court Belle Mead, New Jersey 08502 United States of America,

pursuant to contractual obligations heretofore assumed by us and/or for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, do hereby sell and assign to **Bristol-Myers Squibb Company**, a Delaware corporation, having a place of business at Lawrenceville-Princeton Road, Princeton, NJ 08543-4000, its successors, assigns and legal representatives, all our right, title and interest, which includes the right to and full benefit of such priorities as may now or hereafter be granted to us by local laws or by treaty, including any international convention for the protection of industrial property, in and for all countries of the world, including the United States and its territories and possessions, in and to the invention entitled:

HETEROCYCLIC DIHYDROPYRIMIDINE COMPOUNDS

invented by us and described in the non-provisional United States patent application

Application No. 09/729,731, filed December 5, 2000,

including said non-provisional United States patent application and any application claiming priority from said non-provisional application, filed in any country, and any patents which may be issued and/or granted thereon, and all divisions, continuations, reissues, reexamination certificates and extensions thereof in all countries, the said interest being the entire ownership of said invention and all of said applications, patents (including reissue patents), extensions and reexamination certificates to be held and enjoyed by the said Bristol-Myers Squibb Company and its successors and assigns to the full end of the terms to which said patents (including reissue patents), extensions and reexamination certificates may be granted and/or issued, as fully and entirely as the same would have been held and enjoyed by us if this sale, assignment and transfer had not been made;

And we hereby agree to communicate to said assignee or its representatives any facts known to us respecting said invention, to testify in any legal proceedings, to sign and/or execute any further documents and/or instruments which may be necessary, lawful and proper in and/or for the filing and/or prosecution of all applications, including divisional, continuation and reissue applications, extensions and reexamination certificates and/or the granting and/or issuance thereof and/or to otherwise secure title to said invention and all of said applications, patents (including reissue patents, extensions and reexamination certificates in said assignee, and in general to do everything possible to aid said assignee, its successors and assigns to obtain and enforce proper protection for said invention in all countries.

Signed this 1 day of March, 2001 by Karnail S. Atwal
Karnail S. Atwal

Signed this 1 day of March, 2001 by Wayne Vaccaro
Wayne Vaccaro

Signed this 12 day of Feb, 2001 by John Lloyd
John Lloyd

Signed this 09 day of 02, 2001 by Heather Finlay
Heather Finlay

Signed this 9th day of Feb., 2001 by Lin Yan
Lin Yan

Signed this 1 day of March, 2001 by Rao S. Bhandaru
Rao S. Bhandaru

STATE OF NEW JERSEY)

COUNTY OF Merced) ss.

On the 1st day of March, 2001, before me came Karnail S. Atwal, to me known to be the person of that name mentioned in, and who executed the foregoing Assignment and acknowledged that he executed it.

Tina M. Markee

Notary Public TINA M. MARKEE

Notary Public of New Jersey

My Commission Expires Oct. 28, 2001

[SEAL]

STATE OF NEW JERSEY)

COUNTY OF) ss.

On the 1st day of March, 2001, before me came Wayne Vaccaro, to me known to be the person of that name mentioned in, and who executed the foregoing Assignment and acknowledged that he executed it.

Tina M. Markee

Notary Public

TINA M. MARKEE

Notary Public of New Jersey

My Commission Expires Oct. 28, 2001

[SEAL]

STATE OF NEW JERSEY)

COUNTY OF Mercer) ss.

On the 12th day of February, 2001, before me came John Lloyd, to me known to be the person of that name mentioned in, and who executed the foregoing Assignment and acknowledged that he executed it.



Notary Public

TINA M. MARKEE

Notary Public of New Jersey

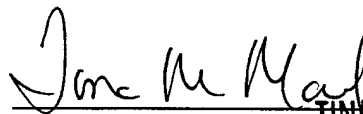
My Commission Expires Oct. 28, 2001

[SEAL]

STATE OF NEW JERSEY)

COUNTY OF Mercer) ss.

On the 9th day of February, 2001, before me came Heather Finlay, to me known to be the person of that name mentioned in, and who executed the foregoing Assignment and acknowledged that he executed it.



Notary Public

TINA M. MARKEE

Notary Public of New Jersey

My Commission Expires Oct. 28, 2001

[SEAL]

STATE OF NEW JERSEY)

COUNTY OF Mercer) ss.

On the 9th day of February, 2001, before me came Lin Yan, to me known to be the person of that name mentioned in, and who executed the foregoing Assignment and acknowledged that he executed it.



Notary Public

TINA M. MARKEE

Notary Public of New Jersey

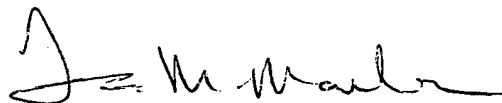
My Commission Expires Oct. 28, 2001

[SEAL]

STATE OF NEW JERSEY)

COUNTY OF Mercer) ss.

On the 1st day of March, 2001, before me came Rao S. Bhandaru, to me known to be the person of that name mentioned in, and who executed the foregoing Assignment and acknowledged that he executed it.



Notary Public

TINA M. MARKEE

Notary Public of New Jersey

My Commission Expires Oct. 28, 2001

[SEAL]